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(54) Title: INTEGRATION OF TRANSPLANTED NEURAL PROGENITOR CELLS INTO NEURAL TISSUE OF IMMATURE AND MATURE DYSTROPHIC RECIPIENTS

(57) Abstract: The present invention is directed to methods of repairing dystrophic, differentiated neural tissue, such as a damaged or diseased retina or optic nerve, in humans and other animals. In particular, the invention relates to introduction of adult-derived neural progenitor cells into a dystrophic neural tissue site of an animal recipient, including an adult (mature) animal, whether xenogeneic, allogencic, or syngeneic. These adult-derived, neural progenitor cells can functionally and morphologically integrate into both mature and immature, dystrophic neural tissue.